State of California
Department of Food and Agriculture
Division of Measurement Standards

Certificate Number: 5337-03

California Type Evaluation Program
Certificate of Approval
for Weighing and Measuring Devices

For:

Scale System Controller
Vehicle Scale Application
Model: MTS Sentinel
Version 1.00a

Submitted by:

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Standard Features and Options

Motion detection provided by the certified primary weight indicating element
Weighmaster ticket printing
Weigh-in/weigh-out operation

Minimum System Requirements:	Computer display Alphanumeric keyboard Printer and mouse
Operating System:	Windows 95 or later versions
Program Language:	Visual Basic
Hardware:	100 MHz Pentium Processor, 32 MB RAM

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: June 30, 2003

Mike Cleary, Director

Quality Scale, Inc.
Scale System Controller
Model: MTS Sentinel

Application: Scale system controller for use with certified and compatible weight indicator and scale.

Identification: Required identification can be viewed by clicking on the "CTEP Info" icon that is continuously displayed on the operator's screen.

Sealing: The software requires no provision for sealing and is protected by a password retained by the manufacturer. Provisions for sealing metrological parameters are provided by the certified weight indicator.

Operation: The truck enters the scale as directed by signs and signal lights. The scale controller's remote terminal provides instructive prompts to the operator throughout the weighing operation. If the photo optic sensors detect that the truck is not properly positioned on the scale, the transaction will not be allowed to proceed until it is properly positioned. The weighing operation is recorded by two video cameras; one at the front and the other at the rear of the vehicle. The weight is taken and stored along with the videos which contain views of the license plates of the truck and trailer, and verify that no one is in the cab or on the scale. After loading or unloading, the truck returns to the scale where the above steps are repeated. The driver then proceeds to the truck gate where the weighmaster reviews the information, and signs the weighmaster ticket.

Test Conditions: An on-site evaluation was performed on the scale system controller which was interfaced with a GSE Model 663 (Certificate of Conformance Number 01-013) indicator and a Cardinal Model 6070SR vehicle weighing element (Certificate of Conformance Number 88-012). The emphasis of the evaluation was on proper system operation, interaction with the indicator, weigh ticket information, and conformance with marking requirements. The photo optic sensors were checked with vehicle repositioning and personnel movement to insure that no transaction could be initiated if the beams were broken. Proper positioning was also verified with the front and rear cameras.

Results of the evaluation indicate the device complies with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2003 Edition

Tested By: K. Jones (CA)